

Amendments to the Specification

Please amend the specification, as follows:

Page 1, line 1, replace the title paragraph with the following amended paragraph:

~~PROPERTIES~~ METHOD FOR MEASURING AT LEAST ONE
CHARACTERISTIC PROPERTY OF A TIRE WITH SENSOR SIGNALS OF
~~SPEED OF DEFORMATION~~ PNEUMATIC TYRE FOR A VEHICLE WHEEL

Page 1, line 3, delete the paragraph “Description” in its entirety.

Page 1, line 4, add the following paragraph in the form of a section heading after the title
“METHOD FOR MEASURING AT LEAST ONE CHARACTERISTIC PROPERTY OF A
PNEUMATIC TYRE FOR A VEHICLE WHEEL” and prior to the paragraph beginning “The
present invention, in its most general aspect, relates to a method”

CROSS-REFERENCE TO RELATED APPLICATIONS

Page 1, line 4, add the following new paragraph after the heading “CROSS-
REFERENCE TO RELATED APPLICATIONS” added above and prior to the paragraph
beginning “The present invention, in its most general aspect, relates to a method”

This application is a national-phase entry under 35 U.S.C. § 371 from International Application No. PCT/IT2002/000815, filed December 20, 2002, in the Italian Patent Office, the content of which is relied upon and incorporated herein by reference.

Page 1, line 4, add the following new paragraph in the form of a section heading after the cross-reference to related applications added above and prior to the start of the paragraph beginning “The present invention, in its most general aspect, relates to a method”

BACKGROUND OF THE INVENTION

Page 1, line 4, add the following new paragraph in the form of a section subheading after the heading “BACKGROUND OF THE INVENTION” added above and prior to the start of the paragraph beginning “The present invention, in its most general aspect, relates to a method”

Field of the Invention

Page 1, line 12, add the following new paragraph in the form of a section subheading prior to the start of the paragraph beginning “Throughout the present description”

Description of the Related Art

Page 3, line 26, add the following new paragraph in the form of a section heading prior to the start of the paragraph beginning “The Applicant has faced the problem”

SUMMARY OF THE INVENTION

Page 8, line 35, add the following new paragraph in the form of a section heading prior to the start of the paragraph beginning “Further characteristics and advantages”

BRIEF DESCRIPTION OF THE DRAWINGS

Page 10, line 20, add the following new paragraph in the form of a section heading prior to the start of the paragraph beginning “In figures 1 and 2”

DETAILED DESCRIPTION OF THE EXEMPLARY EMBODIMENTS

Add a new page 22 after the claims, adding the following ABSTRACT OF THE DISCLOSURE. A new, separate page 22 including the ABSTRACT OF THE DISCLOSURE is enclosed.

ABSTRACT OF THE DISCLOSURE

A method for measuring at least one characteristic property of a pneumatic tyre for a vehicle wheel includes arranging at least one array of deformable sensors along a first direction;

making the tyre pass at speed over the sensors along a second direction; generating an electrical signal proportional to a speed of deformation of each sensor when the tyre contacts the sensor; detecting the electrical signal generated by each sensor; and determining, starting with the detected signals, the at least one characteristic property. The second direction is a motion direction of the tyre. The first direction is transverse to the second. The at least one array of sensors extends in the first direction for a distance greater than or equal to a dimension of the tyre in the first direction. When the at least one array includes a plurality of arrays, the arrays may be arranged substantially in parallel.